TRANS
HE
331
.T75

TRAFFIC ENGINEERING

& CONTROL

INDEX TO VOLUME 11

May 1969 - April 1970

TRAFFIC ENGINEERING & CONTROL

INDEX TO VOLUME 11

May 1969 - April 1970

	Month	Page
Amsterdam's south-east extension, Dennis Kahn	Nov.	316
Area traffic control in Glasgow, Joyce Holroyd and J. A. Hillier	Sep.	220
Area traffic control in West London		
1. Assessment of first experiment, D. A. B. Williams	July	125
2. Vehicle counting detectors, R. Ham	Aug.	172
Arundel Gate traffic scheme, C. R. Warman	Aug.	177
Belfast's transportation plan, Anthony Goss and T. E. MacMurray	Dec.	369
Bus passenger waiting times in central areas, C. A. O'Flaherty and D. O. Mangan	Jan.	419
Bus travel in town centres, D. J. Lyons	May	20
Car and bus journeys to and from central London in peak hours, P. B. Goodwin	Dec.	376
Carbon monoxide pollution of urban air, A. Dockerty and E. Bayley	Apr.	594
Characteristics of drivers' route selection behaviour, J. A. Benshoof	Apr.	604
Charleston's computerised traffic control system, Harold M. Raynor Jr.	May	24
Charting of vehicle registration number surveys, C. W. Marshall	Apr.	598
Clearways in Sydney	Dec.	384
Computer programs for traffic engineers	Mar.	535
Conference reports:		
U.S. urban transportation concepts. American practice in land use/transportation planning. University of Newcastle upon Tyne.	May	35
Planning for public transport, University of Salford	May	39
Compatibility of transport systems, Loughborough University	July	148
International Union of Public Transport	July	149
Third International Meeting on Road Traffic Technique, Venice	July	150
Public Transport Association, Brighton	July	150
B.P.A. Second Parking Seminar	Aug.	197
Symposium on Urban Traffic	Nov.	334
Association of Public Lighting Engineers	Nov.	340
World Touring and Automobile Organisation Council Meeting, Sydney	Feb.	490
Institution of Highway Engineers. Economics of highway maintenance	Feb.	491
Courses in traffic engineering	Sep.	241
Determining road accident histories of particular locations, W. E. Hotchkiss	June	94
Digital magnetic tape recorder for road traffic analysis, Jens Rorbech	Nov.	328
Editorial Opinion:		
Road strategy	May	17
Public Transport Congress	May	17
Municipal parking	June	75
Transport and municipal reform	July	123
The conurbations	Aug.	171
Traffic and transport plans	Sep.	219
Road traffic research	Oct.	267
Transport demoted	Nov.	315
London's boxing bout	Dec.	367
Roads and traffic in the 70s	Jan.	415
The Sharp Report	Feb.	463
Public transport policy	Mar.	519
Motorised Milton Keynes	Apr.	593
Effect of lane closure on traffic delays, R. Ashworth	Dec.	373
Existing and proposed bus priority schemes, T. Constantine and A. P. Young	May	36
Finance for roads, A. C. Durie	May	28
Five studies of accident rates, R. A. Chapman	Sep.	224
Foot streets – managing the environment, A. A. Wood	Feb.	468
Ground traffic at major U.S. airports, P. H. Bovy	June	76
I.C.E. Transportation Engineering Group. Economy-type urban motorways, A. Williman	Jan.	441
Innovations in highway traffic systems, Carl F. Izzard	Feb.	482
Introduction to transportation planning, G. M. Lamb		
1. Context of transportation planning	Jan.	422
2. Treatment of networks	Feb.	486
3. Trip generation	Mar.	554
4. Trip distribution and modal split	Apr.	628
Legal Notes:		
Visibility and safety in positioning road signs	Dec.	389
Liability for the acts of parking attendants	Jan.	445
Road works and the traffic engineer's responsibility	Feb.	497
Traffic control, safety and the highway authority's responsibility	Mar.	562
Prohibited waiting and the exemption for vehicles loading and unloading	Apr.	627
Lighting in Amsterdam's IJ-Tunnel	Jan.	436
M4 motorway surveillance system		
2. Heston control centre, J. T. Duff	May	45
3. Outstation equipment, J. T. Duff	June	92
4. Traffic problems and accident data, P. J. H. Candy	July	138
Marconi/R.R.L. vehicle detector, D. L. Swale and M. G. Ginn	Oct.	268
Mechanism of a road network, J. W. Godfrey	Nov.	323
Modal choice and the pedestrian, David Eyles and C. J. Spiller	Sep.	228
Motor vehicles at European airports, A. F. D. Russell and C. A. O'Flaherty		
1. Airport growth and ground access	July	130
2. Parking: demands, facilities and walking distances	Aug.	189
3. Parking: air passenger and visitor durations and fees, employee arrangements	Sep.	238
Motorway lighting, Umberto Dagnino	June	89
Movement in London: a review, Alan G. Wilson	Dec.	382
Origin and destination survey by registration number method, R. H. Clarke and D. H. Davies	Apr.	600
Parking, Focus on:		
Car parking studies in Coventry, A. H. Harrison	Apr.	610
Public parking policy in Madrid, A. Valdes	Apr.	612
Metric dimensions for car parks – 90° parking. British Parking Association Technical Note No. 1	Apr.	615
City of Gloucester central area car park partnership with National Car Parks Ltd, R. H. Pullan	Apr.	616
Physical model for co-ordinated signal networks, P. van Hoffen	June	86
Public lighting by A.D. 2000, John R. Brodie	Oct.	288

	Month	Page
Recent U.K. traffic research		
R.R.L. Research 1968	Oct.	285
G.L.C. Research Group	Oct.	286
Birmingham University Research Group in Traffic Studies, University College London: Progress Report 1969, R. J. Smeed	Mar.	558
Residents' parking – three solutions evaluated	Dec.	395
Road markings and materials, Focus on:		
Introduction, J. T. Duff	Mar.	537
Road markings in the United Kingdom, J. G. James	Mar.	538
Road markings in the Federal Republic of Germany, S. Giesa	Mar.	540
Test stripes of durable road markings, H. Schram	Mar.	542
Practice and research in the United States, Robert E. Conner	Mar.	544
Delineator effectiveness for median visibility, Jason C. Yu	Mar.	546
Road planning in Eastern Europe, D. W. Yaseen	Oct.	284
Road signs, Focus on:		
Signing in the '70s, K. Summerfield	Feb.	474
Metrication of speed limit signs, F. M. Hale	Feb.	476
Traffic signing in Hampshire, D. L. Selby	Feb.	477
Road signs and signals, K. Summerfield	May	31
Route location in Oxford, R. H. Whittle	June	82
Sheffield urban clearway study, A. R. McLusky and L. E. Richbell	Mar.	520
Shopping expenditures of parkers within a central area, M. R. Dyer, C. A. O'Flaherty and C. H. Atkinson	May	48
Simulation of traffic by digital computer, Christopher E. R. Story	Feb.	464
Snow clearance in the West Midlands, B. G. Moseley and L. F. Plant	Dec.	379
Some characteristics of saturation flow, A. Harrison and C. M. Findlay	Aug.	181
Some questions on the theory of urban road networks, R. J. Smeed and J. G. Wardrop	Oct.	282
Solutions	Jan.	431
Speeds of cars on sharp horizontal curves, J. Emmerson	July	135
Synthetic model of Nottinghamshire and Derbyshire, R. Relph	Mar.	528
Traffic accidents and the change to Standard Time in Ireland, P. A. Hall	Mar.	532
Traffic engineering and control before the motor vehicle, R. A. Paxton	Aug.	193
Traffic engineering instruments, Focus on:		
Some R.R.L. apparatus for automatic data collecting, Iain M. Paterson	Jan.	426
Equipment for road traffic analysis, B. A. Hunn and D. van Helden	Jan.	427
Traffic management schemes in Exeter, John Brierley	Feb.	470
Traffic model for Aberdeen, E. Grant		
1. Parking and generated and attracted peak hour traffic	Aug.	184
2. Trip distribution models	Sep.	233
Traffic prediction in developing countries, H. S. Thriscutt	Apr.	607
Traffic signal control with long-loop detectors, Karl L. Bang and Lars E. Nilsson	Mar.	525
Traffic signal progressions – G.L.C. combination method, K. W. Huddart and E. D. Turner	Nov.	320
Traffic simulation by integration of data banks, Staffan Norrman and Roger Bydler	Oct.	273
'TRANSYT' method for area traffic control, D. I. Robertson	Oct.	276
Trends in public lighting, K. T. O. Cox	Dec.	386
Use of census data in obtaining household income distributions, R. J. Lewis	Jan.	416
U.S.S.R. new road design manual, Valeri F. Babkov	May	40
Vandalism to parking meters, M. Harrison	July	142
Ways of promoting public transport, Richard Marsh	May	18
Who pays for parking? R. Bidgood	June	100

INDEX TO AUTHORS

	Month	Page
Ashworth, R. – Effect of lane closure on traffic delays	Dec.	373
Babkov, Valeri F. – U.S.S.R. new road design manual	May	40
Bang, Karl L. and Lars E. Nilsson – Traffic signal control with long-loop detectors	Mar.	525
Benshoof, J. A. – Characteristics of drivers' route selection behaviour	Apr.	604
Bidgood, R. – Who pays for parking?	June	100
Bovy, P. H. – Ground traffic at major U.S. airports	June	76
Brierley, John – Traffic management schemes in Exeter	Feb.	470
Brodie, John R. – Public lighting by A.D. 2000	Oct.	288
Candy, P. J. H. – M4 motorway surveillance system		
4. Traffic problems and accident data	July	138
Chapman, R. A. – Five studies of accident rates	Sep.	224
Clarke, R. H. and D. H. Davies – Origin and destination survey by registration number method	Apr.	600
Conner, Robert E. – Practice and research in the United States	Mar.	544
Constantine, T. and A. P. Young – Existing and proposed bus priority schemes	May	36
Cox, K. T. O. – Trends in public lighting	Dec.	386
Dagnino, Umberto – Motorway lighting	June	89
Dockerty, A. and E. Bayley – Carbon monoxide pollution of urban air	Apr.	594
Duff, J. T. – M4 motorway surveillance system:		
2. Heston control centre	May	45
3. Outstation equipment	June	92
Introduction to Focus on road markings and materials	Mar.	537
Durie, A. C. – Finance for roads	May	28
Dyer, M. R., C. A. O'Flaherty and C. H. Atkinson – Shopping expenditures of parkers within a central area	May	48
Emmerson, J. – Speeds of cars on sharp horizontal curves	July	135
Eyles, D. and C. J. Spiller – Modal choice and the pedestrian	Sep.	228
Giesa, Siegfried – Road markings in the Federal Republic of Germany	Mar.	540
Godfrey, J. W. – Mechanism of a road network	Nov.	323
Goodwin, P. B. – Car and bus journeys to and from central London in peak hours	Dec.	376
Goss, A. and T. E. MacMurray – Belfast's transportation plan	Dec.	369
Grant, E. – A traffic model for Aberdeen		
1. Parking and generated and attracted peak hour traffic	Aug.	184
2. Trip distribution models	Sep.	233
Hale, F. M. – Metrication of speed limit signs	Feb.	476
Hall, P. A. – Traffic accidents and the change to Standard Time in Ireland	Mar.	532
Ham, R. – Area traffic control in West London		
2. Vehicle counting detectors	Aug.	172
Harrison, A. H. – Car parking studies in Coventry	Apr.	610
Harrison, A. and C. M. Findlay – Some characteristics of saturation flow	Aug.	181
Harrison, M. – Vandalism to parking meters	July	142
Hoffen, P. Van – Physical model for co-ordinated signal networks	June	86
Holroyd, Joyce and J. A. Hillier – Area traffic control in Glasgow	Sep.	220
Hotchkiss, W. E. – Determining road accident histories of particular locations	June	94
Huddart, K. W. and E. D. Turner – Traffic signal progressions – G.L.C. combination method	Nov.	320
Hunn, B. A. and D. van Helden – Equipment for road traffic analysis	Jan.	427

	Month	Page
Izzard, Carl F. – Innovations in highway traffic systems	Feb.	482
James, J. G. – Road markings in the United Kingdom	Mar.	538
Kahn, Dennis – Amsterdam's south-east extension	Nov.	316
Lamb, G. M. – Introduction to transportation planning		
1. Context of transportation planning	Jan	422
2. Treatment of networks (with G. Havers)	Feb.	486
3. Trip generation	Mar.	554
4. Trip distribution and modal split	Apr.	628
Lewis, R. J. – Use of census data in obtaining household income distributions	Jan.	416
Lyons, D. J. – Bus travel in town centres	May	20
McLusky, A. R. and L. E. Richbell – Sheffield urban clearway study	Mar.	520
Marsh, Richard – Ways of promoting public transport	May	18
Marshall, C. W. – Charting of vehicle registration number surveys	Apr.	598
Moseley, B. G. and L. F. Plant – Snow clearance in the West Midlands	Dec.	379
Norrman, Staffan and Roger Bydler – Traffic simulation by integration of data banks	Oct.	273
O'Flaherty, C. A. and D. O. Mangan – Bus passenger waiting times in central areas	Jan.	419
Paterson, Iain M. – Some R.R.L. apparatus for automatic data-collecting	Jan.	426
Paxton, R. A. – Traffic engineering and control before the motor vehicle	Aug.	193
Pullan, R. H. – City of Gloucester central area car park partnership with National Car Parks Ltd.	Apr.	616
Raynor, Harold M. Jr. – Charleston's computerised traffic control system	May	24
Relph, R. – Synthetic model of Nottinghamshire and Derbyshire	Mar.	528
Robertson, D. I. – 'TRANSYT' method for area traffic control	Oct.	276
Rorbech, Jens – Digital magnetic tape recorder for road traffic analysis	Nov.	328
Russell, A. F. D. and C. A. O'Flaherty – Motor vehicles at European airports.		
1. Airport growth and ground access	July	130
2. Parking: demands, facilities and walking distances	Aug.	189
3. Parking: air passenger and visitor durations and fees, employee arrangements	Sep.	238
Schram, H. – Test stripes of durable road markings	Mar.	542
Selby, D. L. – Traffic signing in Hampshire	Feb.	477
Smeed, R. J. – Research Group in Traffic Studies, University College, London. Progress Report 1969	Mar.	558
Smeed, R. J. and J. G. Wardrop – Some questions on the theory of urban road networks	Oct.	282
Solutions	Jan.	431
Story, Christopher E. R. – Simulation of traffic by digital computer	Feb.	464
Summerfield, K. – Road signs and signals	May	31
Signing in the '70s	Feb.	474
Swale, D. L. and M. G. Ginn – Marconi/R.R.L. vehicle detector	Oct.	268
Thriscutt, H. S. – Traffic prediction in developing countries	Apr.	607
Valdes, Antonio – Public parking policy in Madrid	Apr.	612
Warman, C. R. – Arundel Gate traffic scheme	Aug.	177
Whittle, R. H. – Route location in Oxford	June	82
Williams, D. A. B. – Area traffic control in West London.		
1. Assessment of first experiment	July	125
Williman, A. – Economy-type urban motorways	Jan.	441
Wilson, Alan G. – Movement in London: a review	Dec.	382
Wood, A. A. – Foot streets – managing the environment	Feb.	468
Yaseen, D. W. – Road planning in Eastern Europe	Oct.	284
Yu, Jason C. – Delineator effectiveness for median visibility	Mar.	546

TEC PUBLICATIONS

INTRODUCTION TO TRAFFIC SCIENCE
by Professor W. R. Blunden
University of New South Wales
U.K. and Overseas
15s 0d/$2.50

ELEMENTS OF TRAFFIC ENGINEERING
Revised Edition 1970
by R. Lane, *The Polytechnic, London*
12s 6d/$2.00

VOCABULARY OF TRAFFIC ENGINEERING TERMS
Revised Edition 1967
7s 6d/$1.50

BIBLIOGRAPHY OF TRAFFIC ENGINEERING
Revised Edition 1967
by J. T. Duff, *Ministry of Transport*
5s 0d/$1.00

PREDICTION OF TRAFFIC IN INDUSTRIAL AREAS
by Professor T. E. H. Williams and Dr J. C. R. Latchford
University of Newcastle upon Tyne
7s 6d/$1.50

ALSO AVAILABLE

REPORT OF THE I.R.F. FIFTH WORLD MEETING
September 1966
200s 0d/$27.50

CAR PARKING
British Parking Association seminar, October 1968
35s 0d/$7.00

MUNICIPAL PARKING: POLICY, PRICING AND OPERATION
British Parking Association seminar, June 1969
35s 0d/$7.00

Order from: Printerhall Ltd, 34/40 Ludgate Hill, London EC4

All post free if cash with order

REPRINTS

Reprints of articles can be obtained from the publishers at a cost of 6s/$1.00 each, post free. Every effort is made to answer requests for reprints, and estimates will also be given for supplying photostat copies of early articles when reprints of these are no longer in stock.

VOLUME BINDERS

A year's copies of *Traffic Engineering & Control* can be kept safely together with a sturdy Volume Binder. Finished in maroon leathercloth, this has rod fittings for easy reading – each page will open flat if the binder is full or not.

When you order, all we need to know is whether, in addition to the name of the journal, you require either the volume number or the calendar year to be gold-blocked on the spine.

27s 6d/$5.00 each post free.